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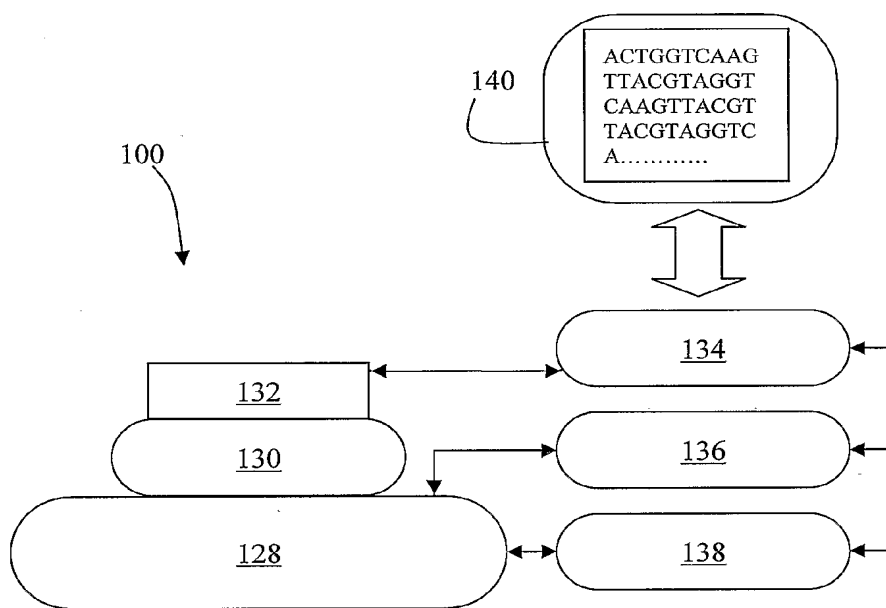
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(54) Title: PROBES, METHODS OF MAKING PROBES AND APPLICATIONS OF PROBES



(57) Abstract: Provided herein are methods and apparatuses for analyzing molecules, particularly polymers, and molecular complexes with extended conformations. In particular, the methods and apparatuses are used to identify sequence information in molecules or molecular ensembles, which is subsequently used to determine structural information about the molecules. Further, provided herein are various methods of forming probes and films for making such probes of nanoscale dimension.